

**CONTRACT CHANGE ORDER MEMORANDUM**

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TO: Tony Anziano, Program Manager /			FILE: E.A. 04 - 0120F4	
FROM: Darryl Schram, Senior TE			CO-RTE-PM SF-80-13.2/13.9	
			FED. NO. No	
CCO#: <b>302</b>	SUPPLEMENT#: <b>0</b>	Category Code: <b>CHPT</b>	CONTINGENCY BALANCE (incl. this change) <b>\$31,136,128.86</b>	
COST: <b>\$217,615.00</b> INCREASE <input checked="" type="checkbox"/> DECREASE <input type="checkbox"/>			HEADQUARTERS APPROVAL REQUIRED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
SUPPLEMENTAL FUNDS PROVIDED: <b>\$0.00</b>			IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
CCO DESCRIPTION: Additional Painting (Field Work)			PROJECT DESCRIPTION: CONSTRUCT SELF-ANCHORED SUSPENSION BRIDGE	
Original Contract Time: <b>2490</b> Day(s)	Time Adj. This Change: <b>0</b> Day(s)	Previously Approved CCO Time Adjustments: <b>630</b> Day(s)	Percentage Time Adjusted: (including this change) <b>25</b> %	Total # of Unreconciled Deferred Time CCO(s): (including this change) <b>1</b>

**THIS CHANGE ORDER PROVIDES FOR:**

1.Clean and paint miscellaneous steel Tower access items including:

- a.Exterior Tower ladders elevations 13 m to 50 m.
- b.Tower ladder bolted connections and welded attachments.
- c.Tower façade handrails elevations 13 m to 50 m.
- d.Tower façade grating ledgers and the top of I beams.
- e.Fender ladder and mounting bolts.
- f.Tower Head platforms and ladder, excluding elevator landing platform
- g.Elevator platform at elevation 15 m.
- h.Tower access platforms at elevation 53 m.

2.Clean and paint service platform items including:

- a.Pullbox and switch box support frames.
- b.Field bolted connections.
- c.Handrail base plates.

3.Clean and paint bolted connections on the dehumidification platform and handrail at W2.

4.Clean and paint railing mounted on barrier and call box base bolts at call box locations.

5.Repair paint on exterior Tower ladders and Tower façade handrails elevations 50 m to 146 m before Seismic Safety Opening (SSO).

6.Repair paint on the access doors on the top of the facades.

7.Repair paint on bikepath railings and posts.

8.Repair paint on cope holes in suspender brackets, where caulking was removed.

Special Provisions Section 10-1.73 "Miscellaneous Metal (Bridge)" requires miscellaneous metal items to be galvanized but did not specify finish paint. This change order is needed to apply white finish paint over galvanized miscellaneous metal items that are visible from the roadway and/or waterway in order to maintain the desired aesthetic appearance.

1.Contract Change Order (CCO) 94 S0 "Additional Painting" applied white paint to the exterior Tower ladders and façade handrails elevations 50 m to 146 m. This change order will paint the remaining exterior Tower ladders and façade handrails, and all of the connections and attachments. Prior to SSO, paint repair was performed on the Tower ladders and Tower façade handrails that were painted under CCO 94 S0. CCO 382 "CIC Tower Painting Completion" will repair damaged paint on the Tower ladders and handrails that occurred after SSO. Platforms and ladders will also be painted at the Tower Head, elevator base, and elevation 53 m.

2.CCO 94 S0 applied white paint to the service platform stairs, railings, and landings. This change order will paint the service platform field connections, electrical support frames, and base plates to match the color of the rest of the structure.

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3.Connection points on the dehumidification platform will be painted white to match the color of the platform and handrails.

4.CCO 44 S0 "Barrier Modifications" installed galvanized railing on the barrier at call box locations that will be painted white in this change order to match the bridge.

5.CCO 94 S0 applied white paint to the exterior Tower ladders and façade handrails at elevations 50 m to 146 m and the bikepath railings and posts. This change order will repair damaged paint that occurred during the installation process since there was no field touch-up allowance in CCO 94S0 on the exterior Tower ladders and façade handrails at elevations 50 m to 146 m prior to SSO, CCO 382 "CIC Tower Painting Completion" will repair damaged paint on the ladders and façade handrails that occurred after achieving SSO.

6.CCO 286 "Tower Access Doors" modified the seals and locks on the access doors but did not include any provisions to repair paint damaged by these modifications. This change order will repair the paint damage due to CCO 286 on the Tower access doors on the top of the facades. CCO 382 will repair the paint damage due to CCO 286 on the Tower access doors on the side of the facades.

7.CCO 94 S0 applied white paint to the bikepath railing and posts. However the paint was damaged from multiple activities. The Contractor damaged the paint during construction operations by using the permanent railing in lieu of temporary safety railing. The Department directed removal and reinstallation of the railing under CCOs 169 "Bikepath Handrail Modification" and 195 S1 "Bikepath Railing Tolerances – Field" but did not include any provisions to repair paint damaged by these modifications. Since the Contractor and Department share responsibility for paint damage to the bikepath railing and posts, repair costs will be shared.

8. The suspender bracket cope holes were filled with caulk during the fabrication process since the plan sheets did not require them to remain unplugged. Caulk will be removed from the holes to allow water to drain out the holes and not pool in the suspender brackets. The Contractor will remove the caulk from the cope holes at no cost and will be compensated to repair paint after caulking is removed.

The total cost of this change order is \$217,615.00 lump sum, which can be financed from the contingency fund. A detailed cost analysis is on file.

No time adjustment is warranted as this change order does not affect the controlling operation.

This change order has concurrence from William Casey (Supervising TE), Rich Foley (HQ Oversight), Wenyi Long (Bridge Design), Lina Ellis (Maintenance), and Jing Chen (District Design).

<b>CONCURRED BY:</b>			<b>ESTIMATE OF COST</b>		
Construction Engineer:	William Casey, Sup TE	Date 3/12/13	THIS REQUEST		TOTAL TO DATE
Bridge Engineer:	CT Oversight, Wenyi Long, P.E.	Date 3/13/13	ITEMS	\$0.00	\$0.00
Project Engineer:	District Design, Jing Chen	Date 3/18/13	FORCE ACCOUNT	\$0.00	\$0.00
Project Manager:		Date	AGREED PRICE	\$217,615.00	\$217,615.00
FHWA Rep.:		Date	ADJUSTMENT	\$0.00	\$0.00
Environmental:		Date	<b>TOTAL</b>	<b>\$217,615.00</b>	<b>\$217,615.00</b>
Other (specify):	HQ, Rich Foley	Date 3/13/13	<b>FEDERAL PARTICIPATION</b>		
Other (specify):	Struct. Maint, Lina Ellis	Date 3/21/13	<input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input checked="" type="checkbox"/> NONE <input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING		
District Prior Approval By:	HQ, Larry Salhaney	Date 3/14/13	FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)		
HQ (Issue Approve) By:		Date	<input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS		
Resident Engineer's Signature:		Date	FEDERAL FUNDING SOURCE      PERCENT _____ _____ _____		

W. Shedd for Casey